

## SEQUENCE LISTING

&lt;110&gt; Doe, John

&lt;120&gt; DURAMYCIN

&lt;130&gt; 5470-

&lt;160&gt; 19

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 271

&lt;212&gt; DNA

&lt;213&gt; Streptomyces cinnamoneus

&lt;400&gt; 1

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acgcccgtgg agcagcagga ccaggcgctc ctcgacttct ggaccaagga catcgccgct      180
acggaagcct tcgcctgcaa gcagagctgc agcttcggcc cgttcacctt cgtgtgtgac      240
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&lt;210&gt; 2

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Streptomyces cinnamoneus

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(231)

&lt;223&gt;

&lt;400&gt; 2

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gcg ctg atc gag aac ccg gcc gcg ttc ggt gcc tcg acc gcg gtc ctg      96
Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu
          20           25           30

ccc acg ccc gtg gag cag cag gac cag gcg tcc ctc gac ttc tgg acc      144
Pro Thr Pro Val Glu Gln Gln Asp Gln Ala Ser Leu Asp Phe Trp Thr
          35           40           45

aag gac atc gcc gct acg gaa gcc ttc gcc tgc aag cag agc tgc agc      192
Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala Cys Lys Gln Ser Cys Ser
          50           55           60

ttc ggc ccg ttc acc ttc gtg tgt gac ggc aac acc aag      231
Phe Gly Pro Phe Thr Phe Val Cys Asp Gly Asn Thr Lys
65           70           75

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&lt;210&gt; 3

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Streptomyces cinnamoneus

&lt;400&gt; 3

2/6

Met Thr Ala Ser Ile Leu Gln Ser Val Val Asp Ala Asp Phe Arg Ala  
 1 5 10 15

Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu  
 20 25 30

Pro Thr Pro Val Glu Gln Gln Asp Gln Ala Ser Leu Asp Phe Trp Thr  
 35 40 45

Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala Cys Lys Gln Ser Cys Ser  
 50 55 60

Phe Gly Pro Phe Thr Phe Val Cys Asp Gly Asn Thr Lys  
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aac acc aag 57  
 Asn Thr Lys

<210> 5  
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 <213> Streptomyces cinnamoneus

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Asn Thr Lys

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 1 5 10 15

gcg ctg atc gag aac ccg gcc gcg ttc ggt gcc tcg acc gcg gtc ctg 96  
 Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu  
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aag gac atc gcc gct acg gaa gcc ttc gcc 174  
Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala  
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<211> 58
<212> PRT
<213> Streptomyces cinnamoneus
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Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu  
20 25 30

Pro Thr Pro Val Glu Gln Gln Asp Gln Ala Ser Leu Asp Phe Trp Thr  
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Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala  
50 55

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<211> 19
<212> PRT
<213> Streptomyces griseovorticillatus
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**<400> 8**

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<211> 19
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<213> Streptomyces sp.
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<210> 10
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Asn Thr Lys

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 Val Asp Ala Asp Phe Arg Ala Ala Leu Glu Asn Pro Ala Ala Phe  
 15 20 25

ggc gct tcc gcc gcg gcc ctg ccc acg ccc gtc gag gcc cag gac cag 147  
 Gly Ala Ser Ala Ala Ala Leu Pro Thr Pro Val Glu Ala Gln Asp Gln  
 30 35 40

gcg tcc ctt gac ttc tgg acc aag gac atc gcc gcc acg gaa gcc ttc 195  
 Ala Ser Leu Asp Phe Trp Thr Lys Asp Ile Ala Ala Thr Glu Ala Phe  
 45 50 55

gcc tgc cgc cag agc tgc agc ttc ggc ccg ttc acc ttc gtg tgc gac 243  
 Ala Cys Arg Gln Ser Cys Ser Phe Gly Pro Phe Thr Phe Val Cys Asp  
 60 65 70

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<210> 13  
 <211> 78  
 <212> PRT  
 <213> Streptomyces griseoverticillatus

&lt;400&gt; 13

Met Thr Ala Ser Ile Leu Gln Gln Ser Val Val Asp Ala Asp Phe Arg  
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Ala Ala Leu Leu Glu Asn Pro Ala Ala Phe Gly Ala Ser Ala Ala Ala  
 20 25 30

5/6

Leu Pro Thr Pro Val Glu Ala Gln Asp Gln Ala Ser Leu Asp Phe Trp  
 35 40 45

Thr Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala Cys Arg Gln Ser Cys  
 50 55 60

Ser Phe Gly Pro Phe Thr Phe Val Cys Asp Gly Asn Thr Lys  
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<220>  
 <223> Synthetic primer

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<210> 15  
 <211> 19  
 <212> DNA  
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<220>  
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19

<210> 16  
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 <212> DNA  
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<210> 17  
 <211> 19  
 <212> DNA  
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<220>  
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<210> 18  
 <211> 19  
 <212> DNA  
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<220>  
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<210> 19  
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<220>  
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ttgccgtcgc acacgaaggt

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